Product Specifications

Speaker Impedance	table	4 ohms
Free Air Resonance	(Fs)	26
Total Q Driver @ FS including all resistance's	(Qts)	0.49
Q of the Driver @ FS including non electrical resistance only	(Qms)	3.57
Q of the Driver @ FS including electrical resistance only	(Qes)	0.572
The Driver's compliance expressed as an equivalent Volume of all (cubic Ft.)	(Vas)	3.37
The Driver's linear displacement (inches)	(Xmax)	0.236
The DC resistance of the driver's twin voice coils(ohms)	(Re)	3.6
Thermal Power rating of Driver (R.M.S./Peak)	(Pe)	700W/1400W
The Driver's voice coil inductance(millihenries)	(le)	0.3868
The Driver's sensitivity (dB)	(Sens)	94

Calculating Enclosures

It is difficult to give exact box dimensions that are universal for all cars and trucks. It is for this reason that you must be able to calculate the space in which you have available in order to achieve the proper air volume required.

It is recommended to build your enclosure from 3/4" thick MDF (medium density fiberboard). Make sure the enclosure is sealed air tight.

Calculating External Volume

1)To calculate box volume, measure the outside Width x Height x Depth of the enclosure. Example 12" x 14" x 9" = 1512"

2)Next you must convert cubic inches into cubic feet. To do this, You must divide the cubic inch total by 1728". Example 1512 ÷ 1728= .875 Cubic feet

Calculating Internal Volume

1)To calculate the internal (net) volumn of the above box you must first multiply the thickness of the wood you are using by Two (2) Example; 3/4" x 2"=1.5"

2)Next Subtract 1.5 from each of the outside measurements of the box. Width 12-1.5=10.5 Height 14-1.5=12.5 Depth 9-1.5=7.5

3)Multiply the new totals (H x W x D) Example : 10.5 x 12.5 x 7.5=984.375

4)Next you must convert cubic inches into cubic feet.To do this,you must divide the cubic inch total by 1728" Example 984.375 ÷ 1728=. 5696 Cubic feet

Thank you for purchasing a BOSS AUDIO subwoofer. It is a state-of -the-art product carefully designed for vehicle use, and has been thoroughly tested to ensure consistent and reliable performance. If you have any question about the operation of your BOSS AUDIO subwoofer which are not answered by this manual, contact your dealer in the first instance.

Precautions

- Before making holes, check the mounting space with supplied template
- To prevent noise pick-up, keep the wiring of this unit away from motors, high-voltage leads and other possible sources of interference
- To prevent short-circuit, keep all wiring away from moving parts sharp edges.
- Make sure you have carefully read and understood the installation instruction.

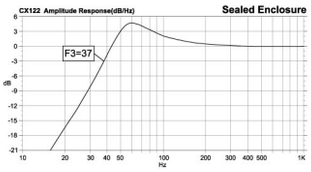
12" Subwoofer

(700 Watts RMS Sealed Enclosure)

- **12" CUSTOM TOOLED PP CONE WITH RUBBER SURROUND**
- **2" VOICE COIL**
- **1400 WATTS PEAK / 700 WATTS RMS**
- **39 OZ MAGNET STRUCTURE**
- **FREQUENCY RESPONSE: 25 HZ – 3KHZ**
- **SENSITIVITY: 94DB (1WATT/1 METER)**
- **IMPEDANCE: 4 OHM**
- **MOUNTING DEPTH: 5"**

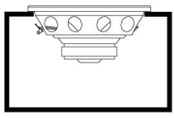
Recommended Enclosures

Please Note : Our Suggested box Volumes are given as internal Air requirements.

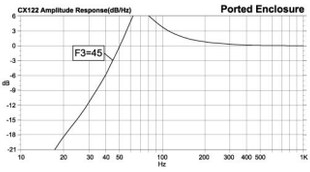


Sealed Enclosure

Box Volume : 2.0 Cu Ft

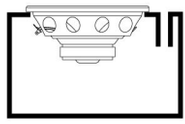


Box is given as internal air volume including driver displacement



Ported Enclosure

Box Volume : 3.0 Cu Ft

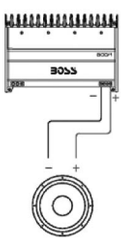


Box is given as internal air volume including driver displacement

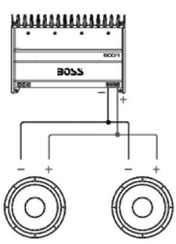
Port Frequency : 37.5 Hz
Port Diameter : 4 Inches
Port Length : 6 Inches

Wiring your subs: Single Voice Coil

1 SVC driver
Use terminals (+ and -) on the amplifier, and two leads from the speaker also conveniently labeled + and -.
4 Ohm Subwoofer: 4 Ohms



2 SVC drivers with Voice Coils in Parallel
Wire both woofer (+) to the amplifier's (+) and do the same with the (-) connections.
4 Ohm Subwoofers: 2 Ohms



NOTES